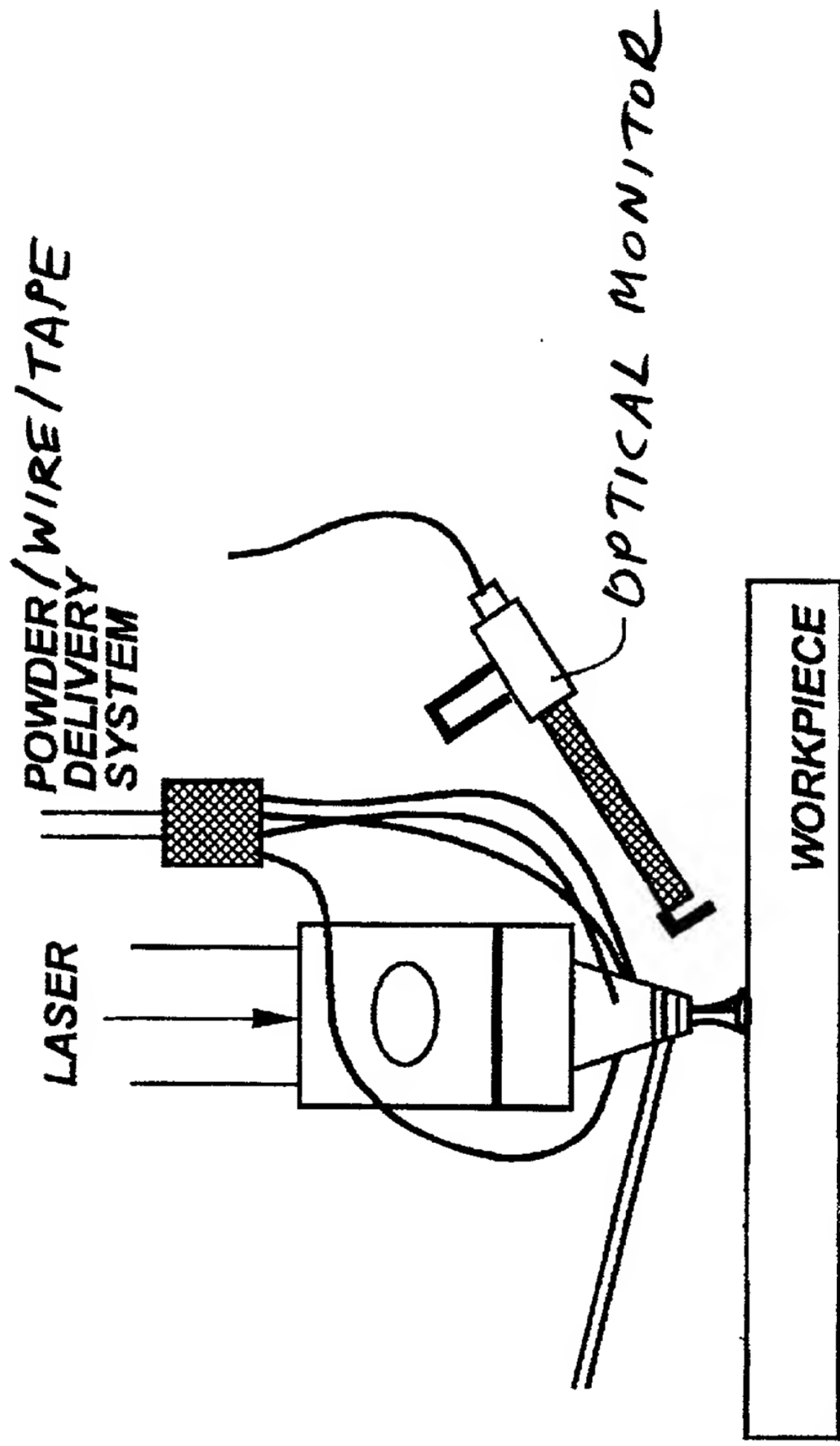


Figure - 1

Figure - 2



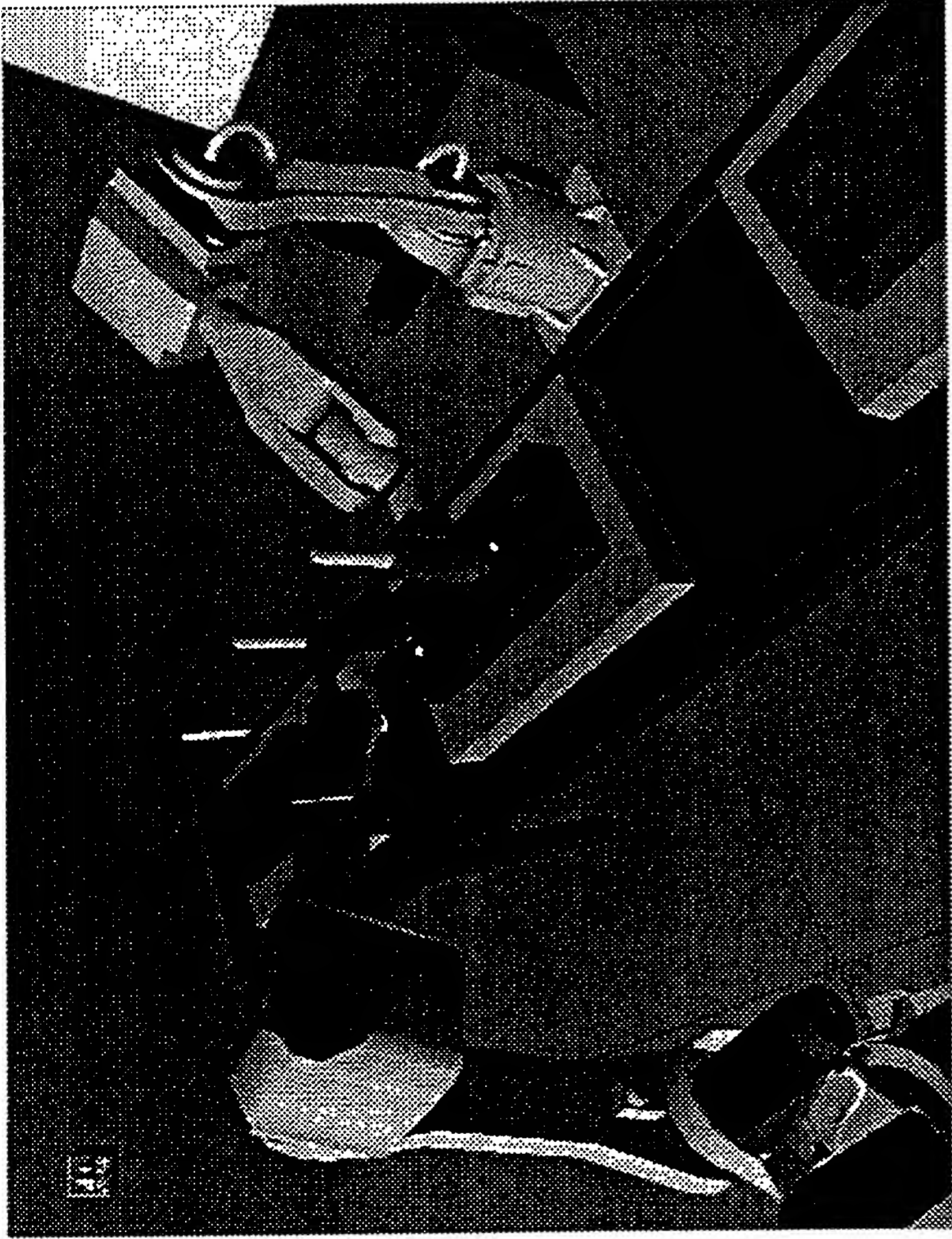


Figure 3. Robotic embodiment of DMD

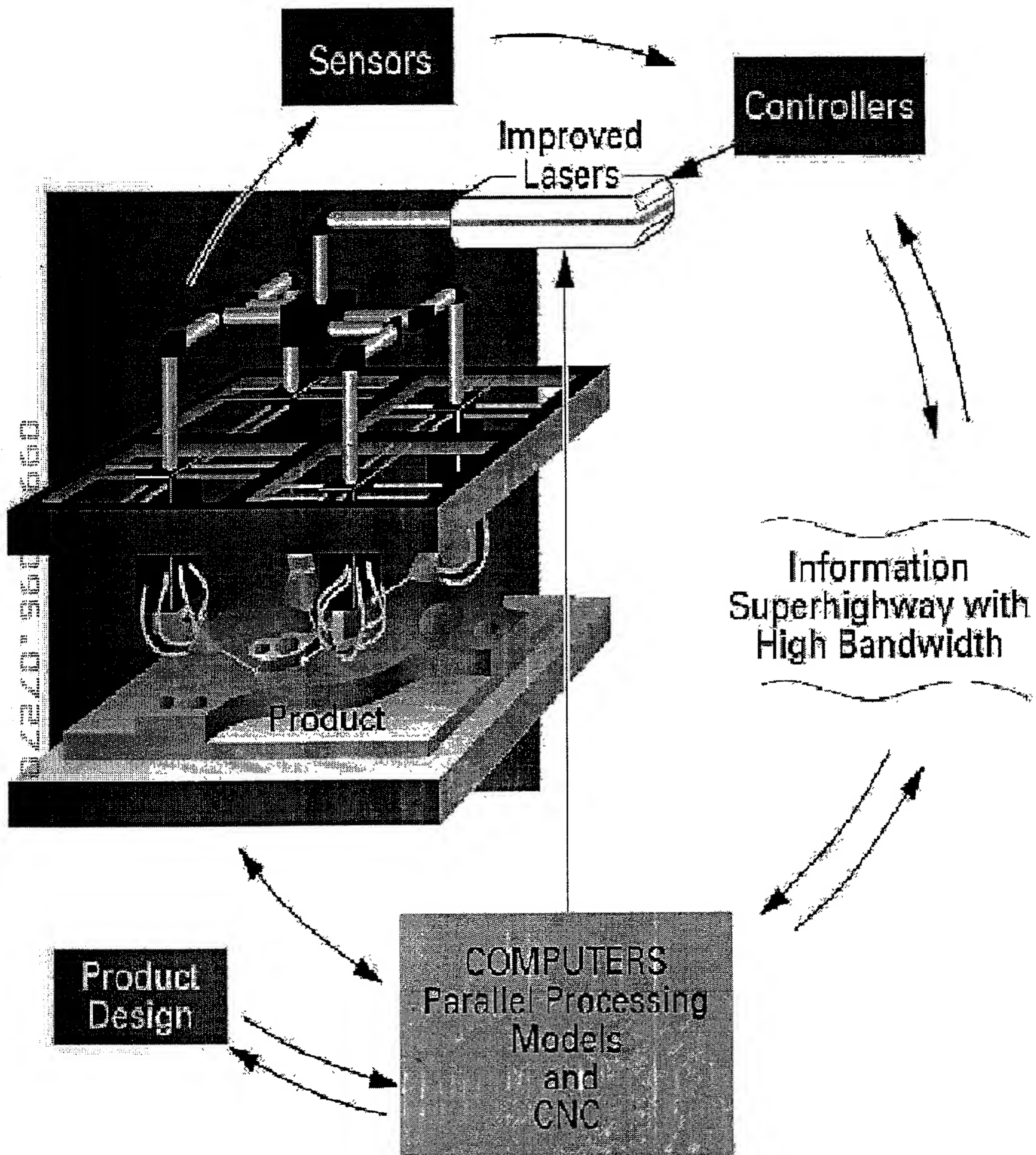


FIGURE 4

2025-03-13 10:04:00

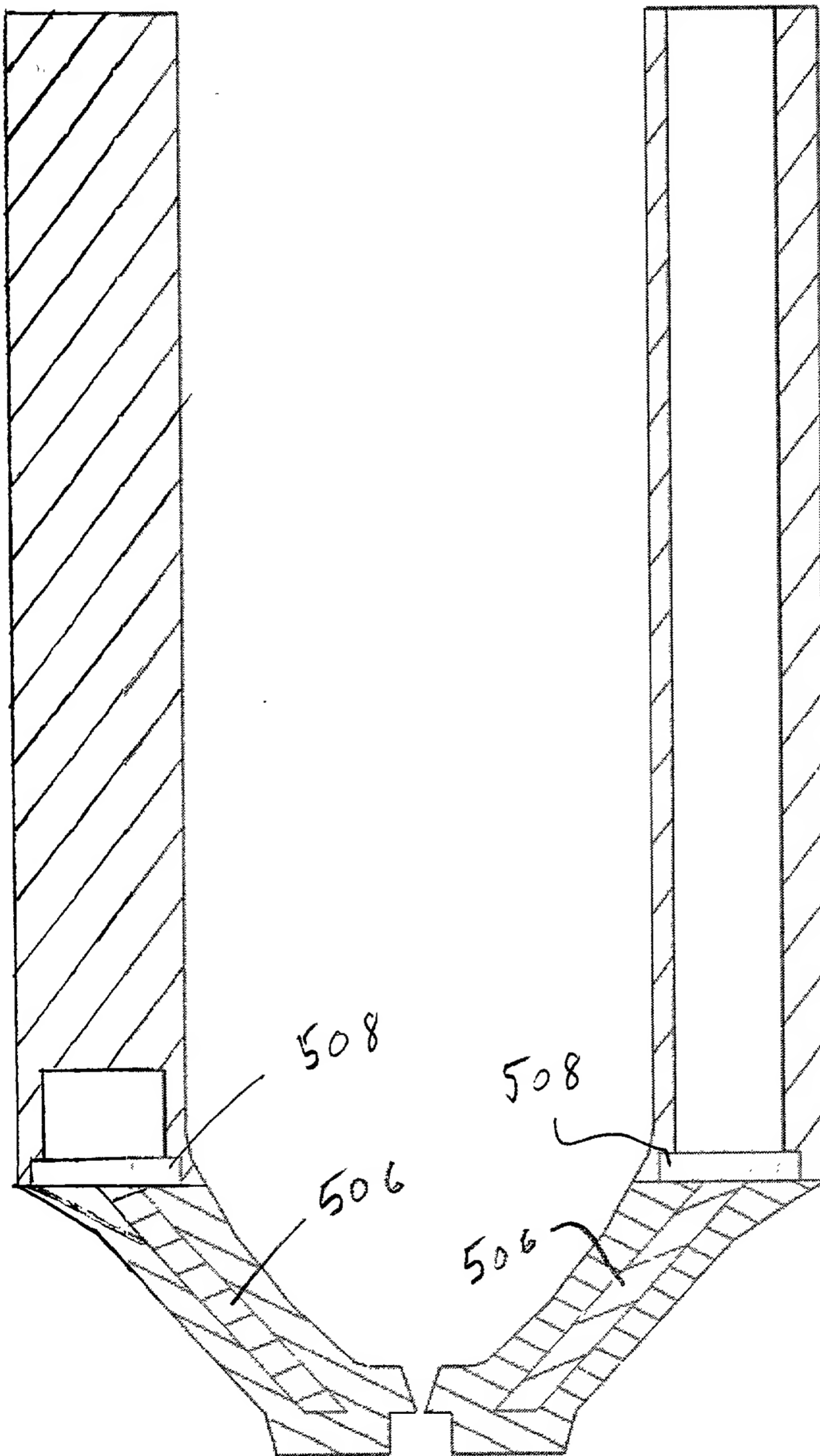
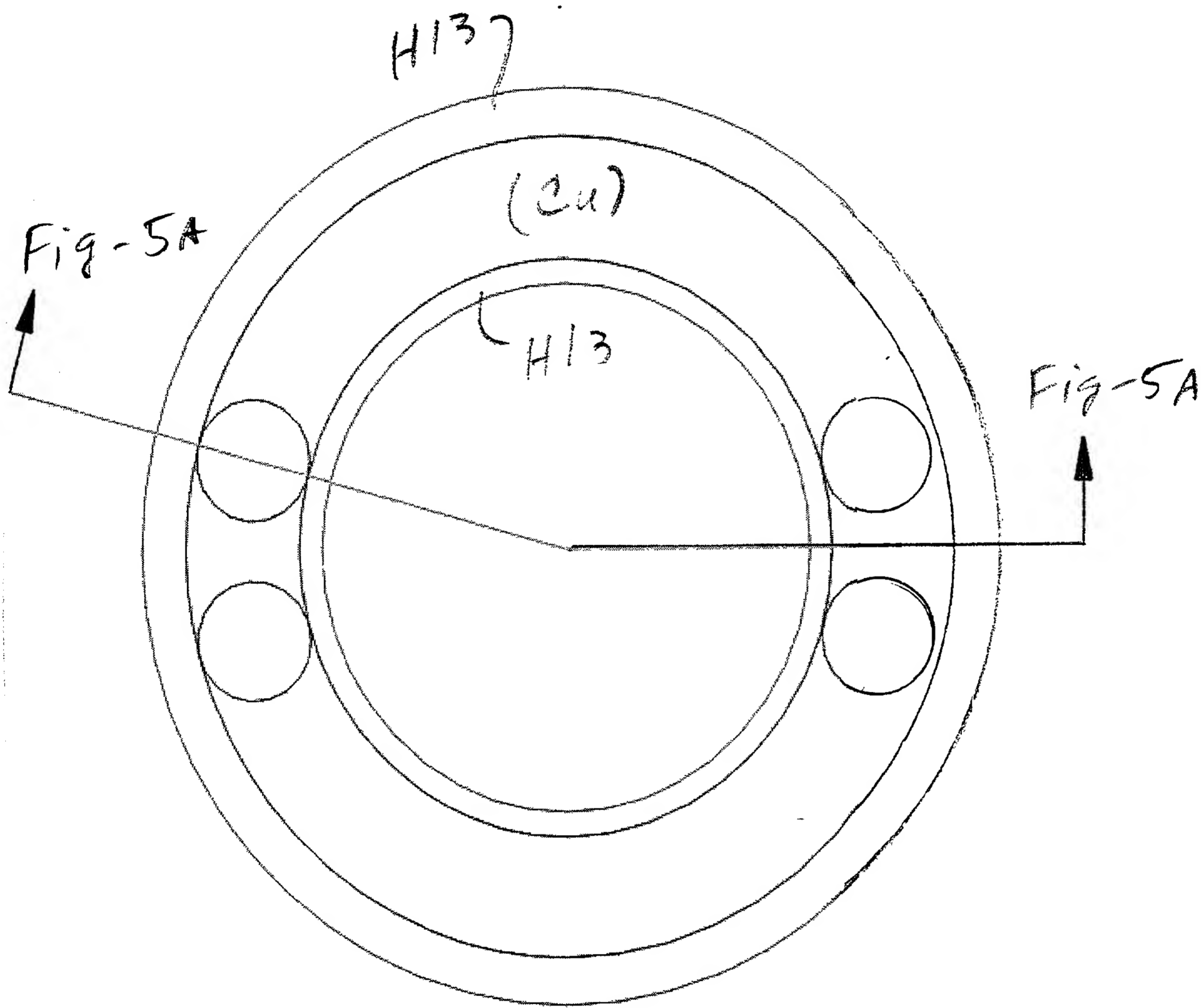


Fig-5A

0947095-02204
00209507550



$Fig-5B$

Conventional
Drilled Cooling
Channels
(DCC)

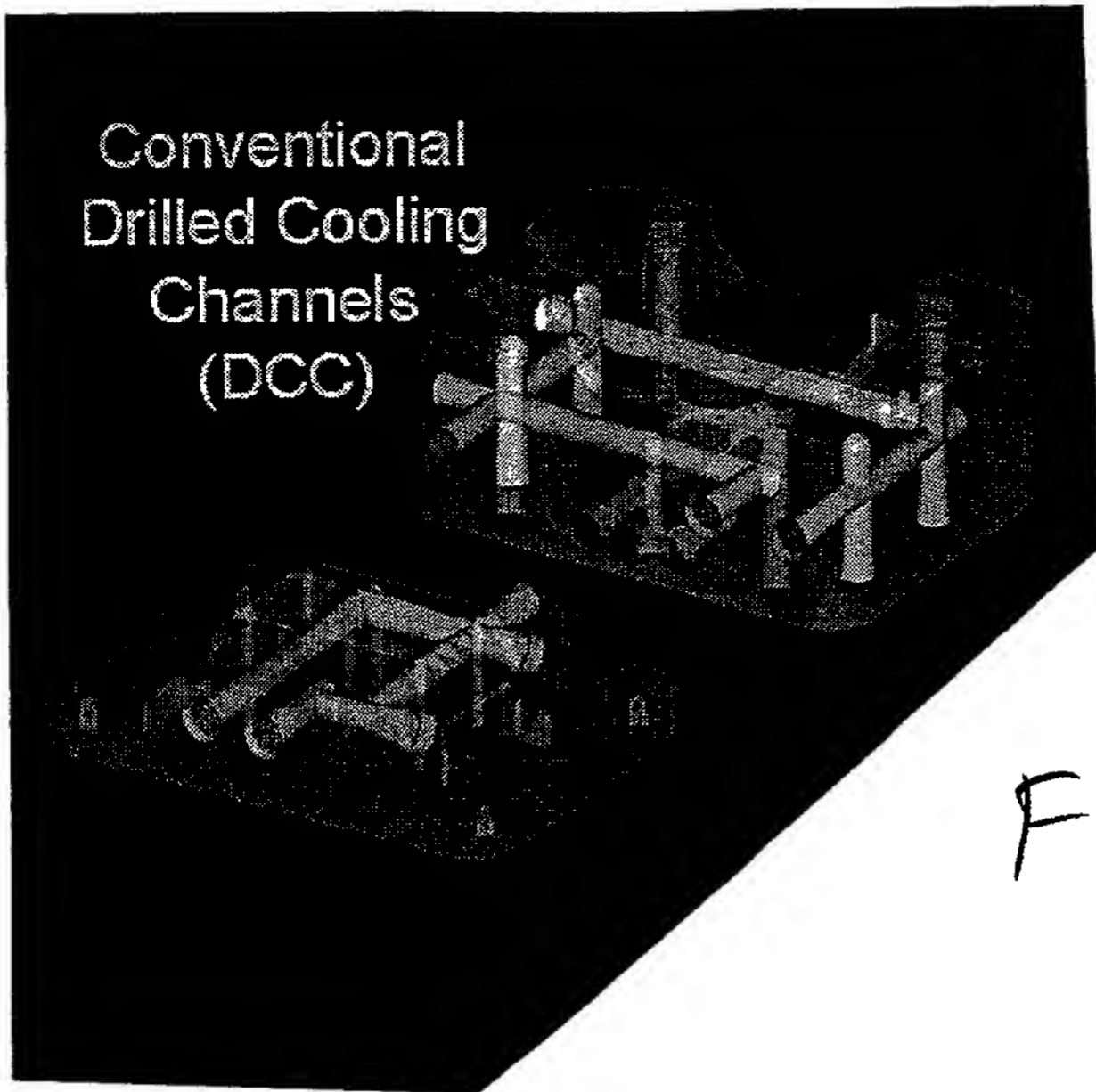
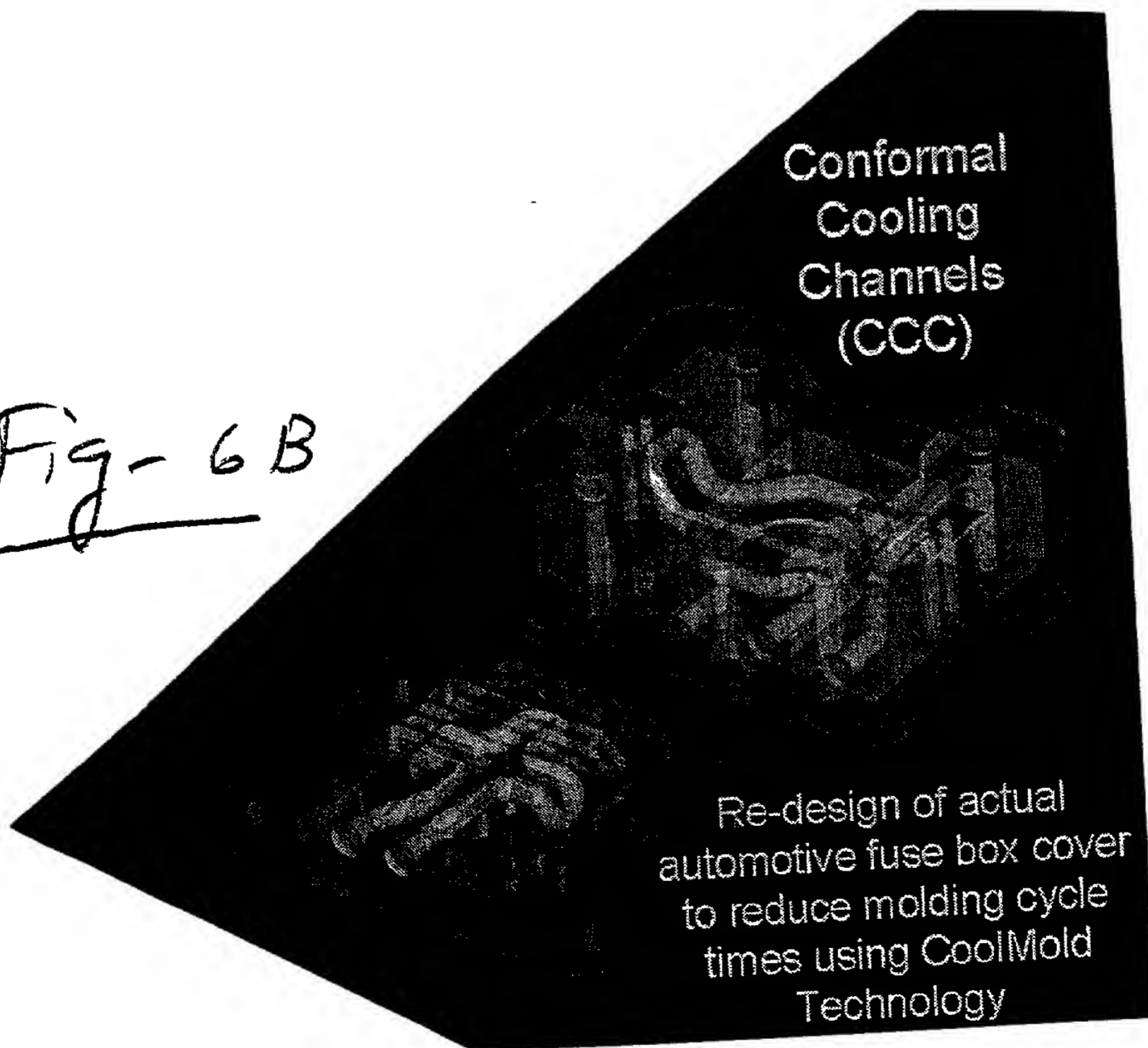


Fig- 6A

Conformal
Cooling
Channels
(CCC)

Fig- 6B



Re-design of actual
automotive fuse box cover
to reduce molding cycle
times using CoolMold
Technology

FD-220 350/160

Comparative Analysis - Core Heating Time [70 deg.F - 350 deg.F]

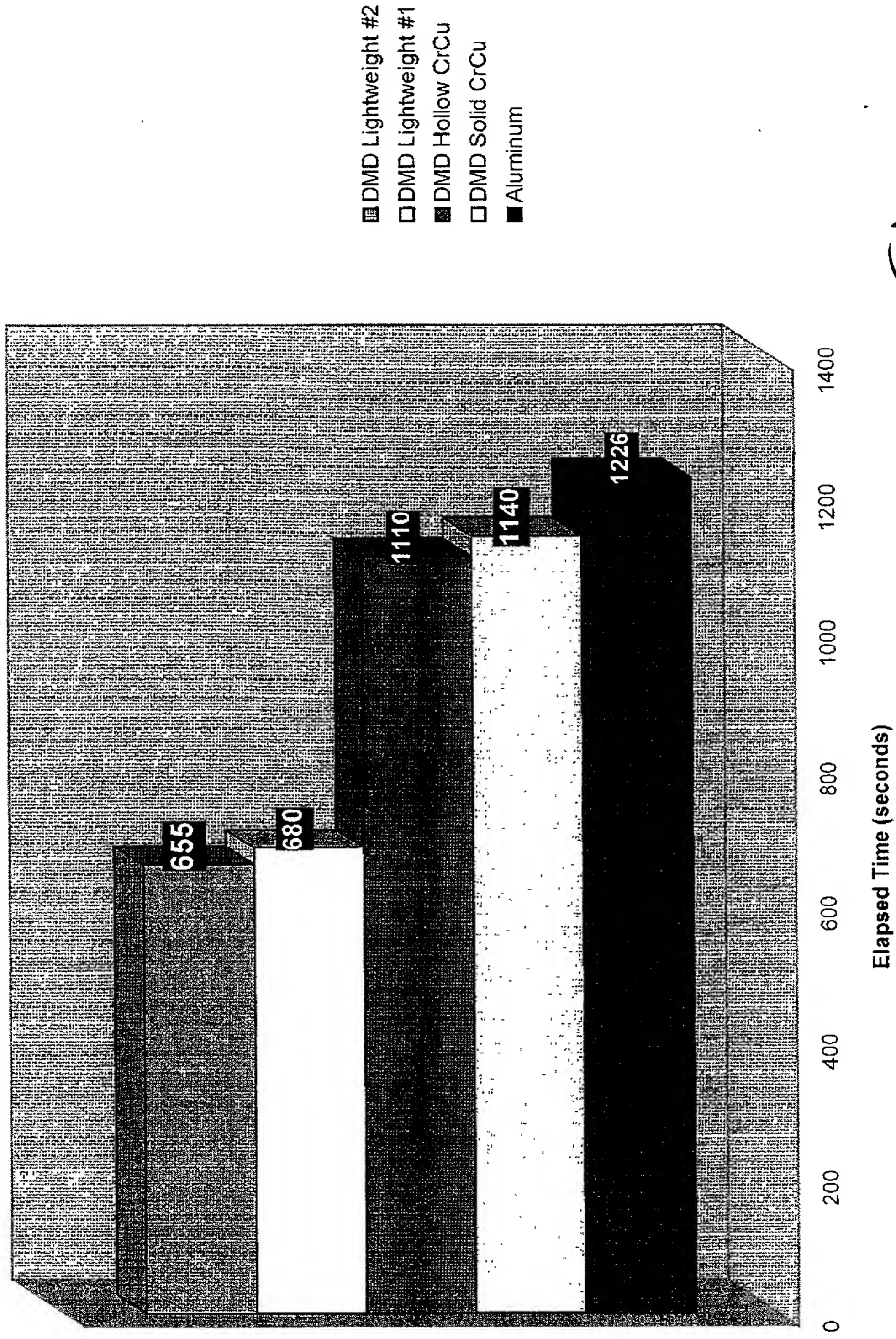


Fig-7

TD220-5047660

Comparative Analysis - Cavity Heating Time [70 deg.F - 350 deg.F]

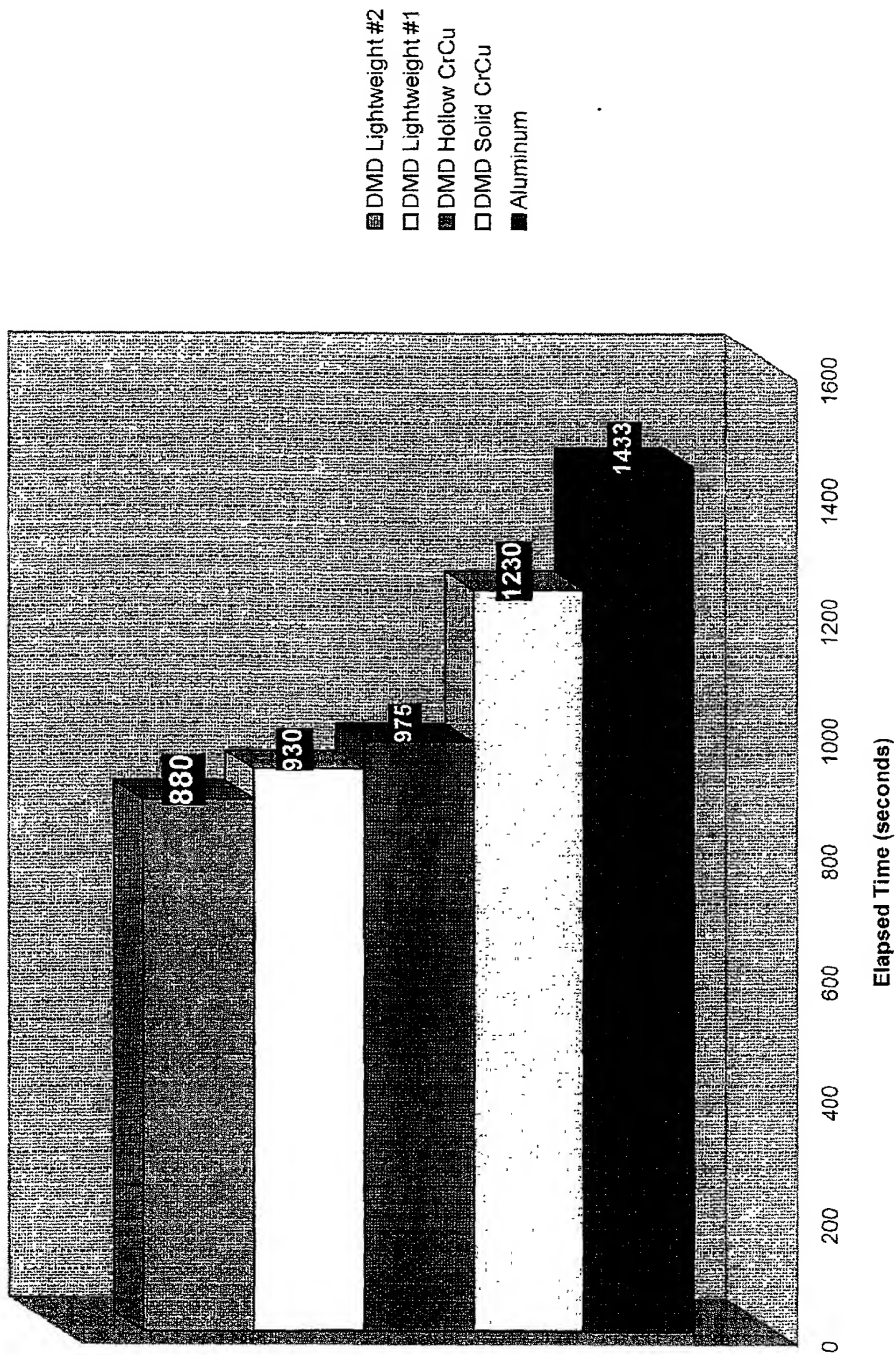


Fig-8

FDCE20-960/F660

TEST 2-1 [DMD Hollow vs. Aluminum]

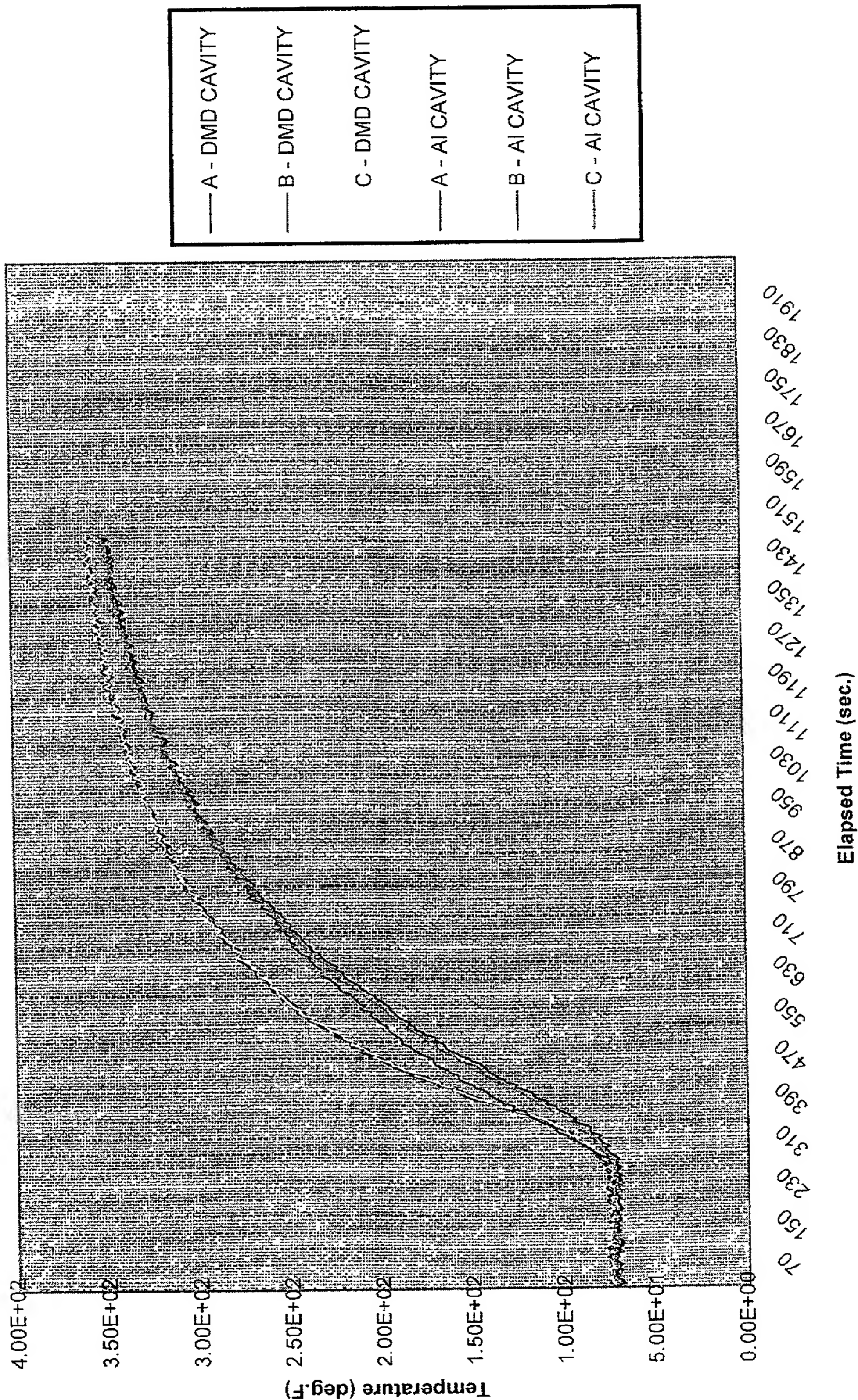


Fig-9

FOUO 96041660

TEST 2-1 [DMD Hollow vs. Aluminum]

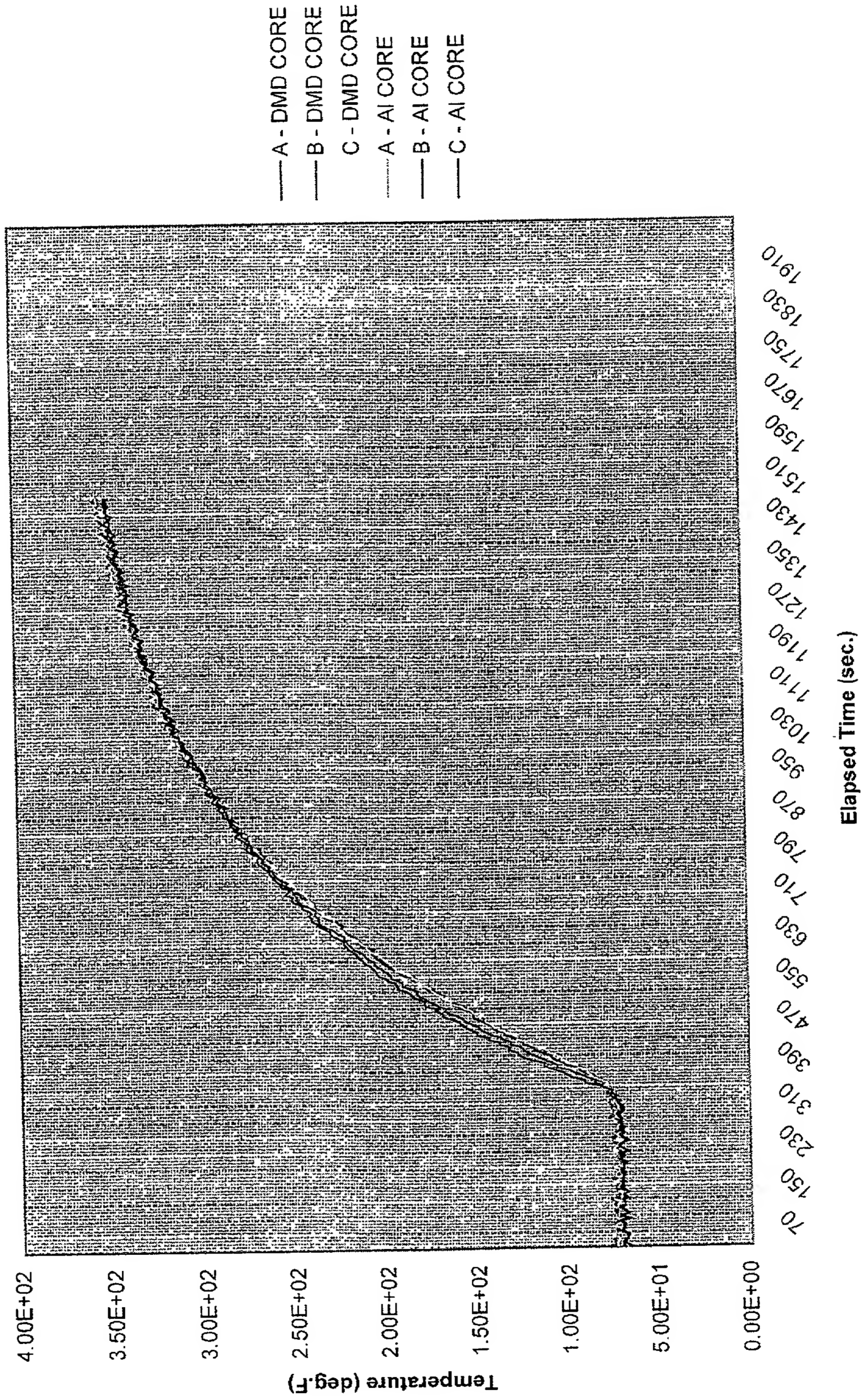


Fig-10

FD220" 950/TF660

TEST 3-2 [DMD Light Wt.#1 vs. Aluminum]

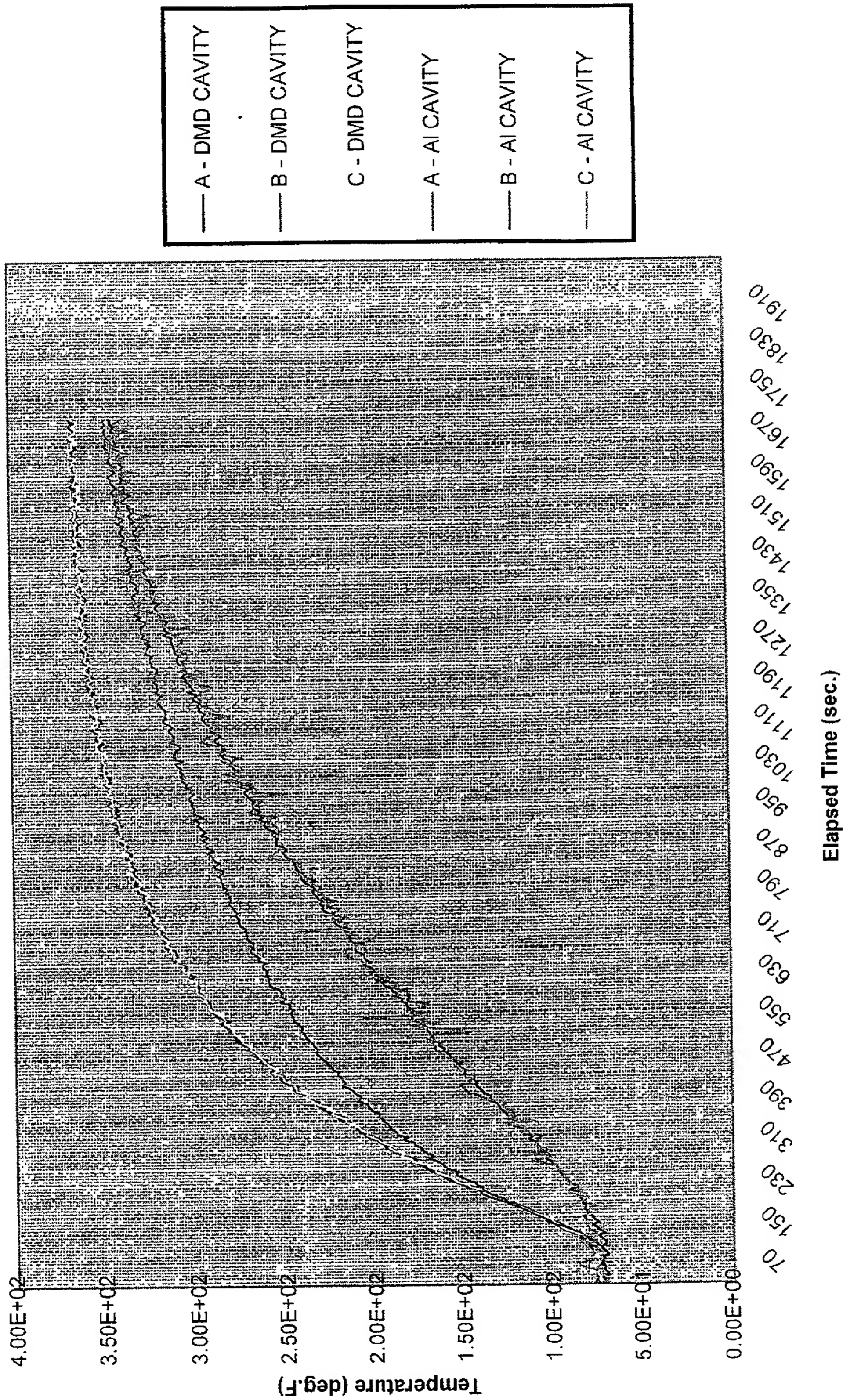


Fig-11

10/22/20 9602T660

TEST 3-2 [DMD Light Wt.#1 vs. Aluminum]

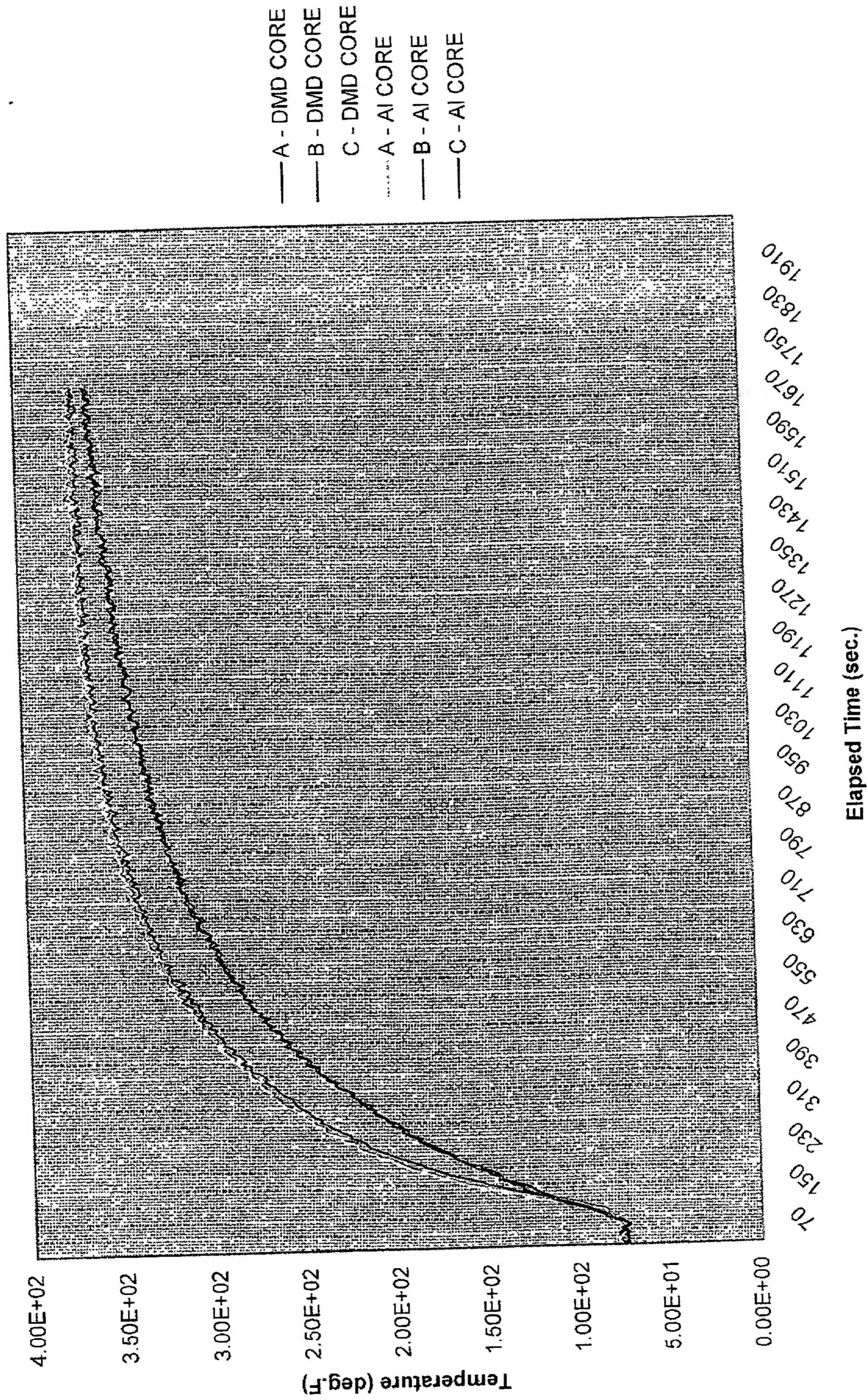


Fig-12

FOI 2020-0360/T660

TEST 4-2 [DMD Light Wt.#2 vs. Aluminum]

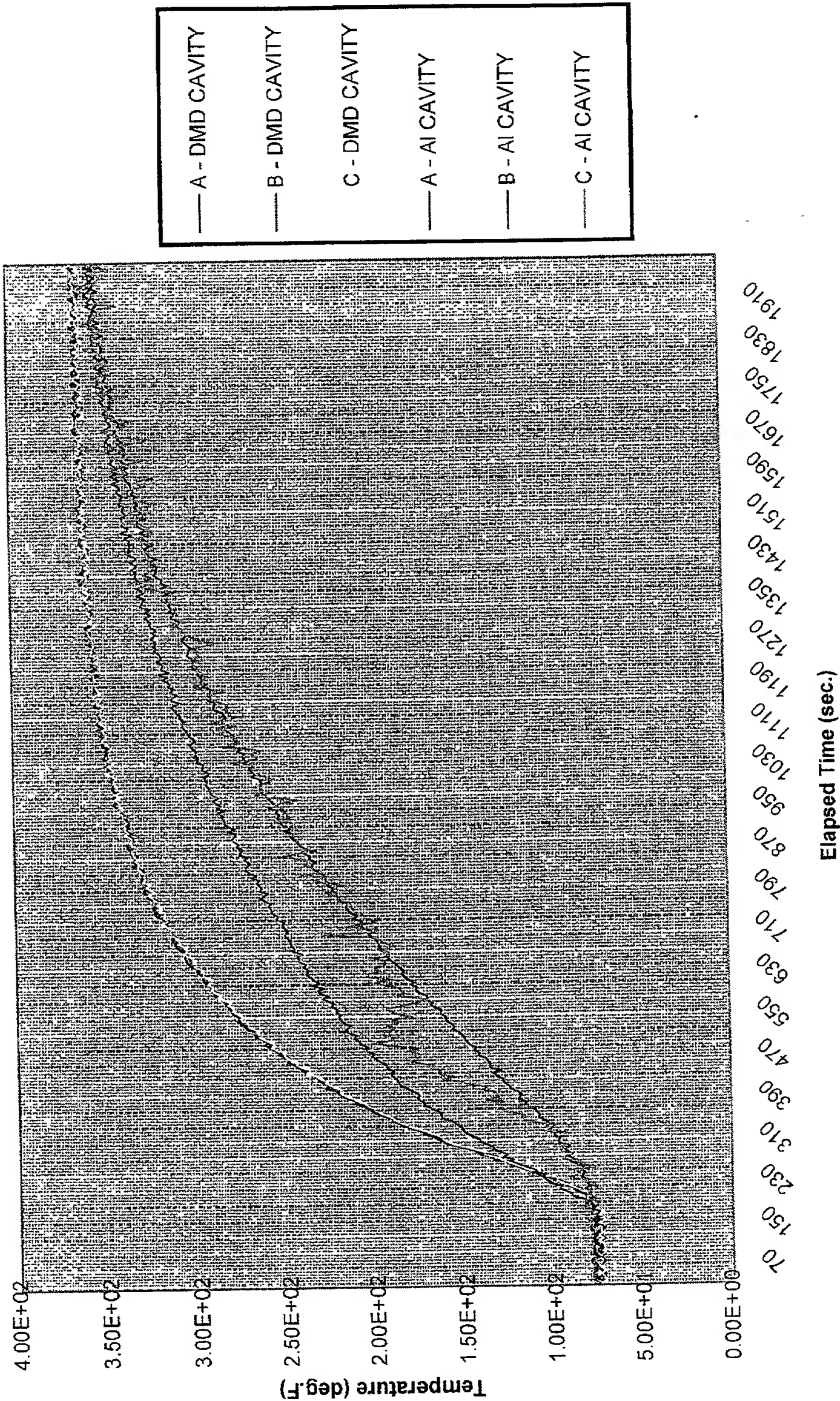


Fig - 13

FD4220" 56021600

TEST 4-2 [DMD Light Wt.#2 vs. Aluminum]

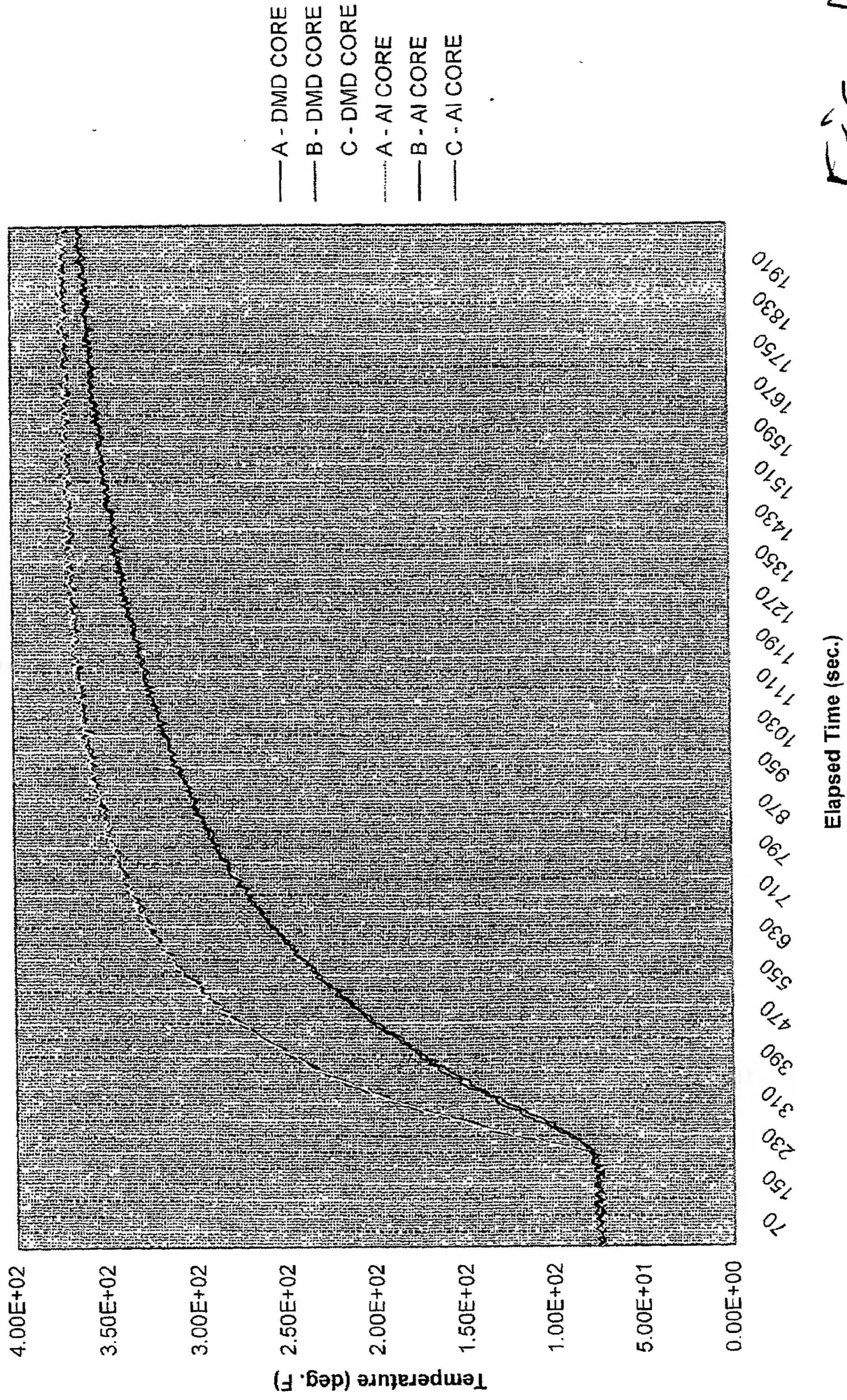


Fig - 14